(54) Title: A Method for Processing A Request to Create the Packet Data Protocol Context
(54) 发明名称: 一种对创建分组数据协议上下文请求的处理方法
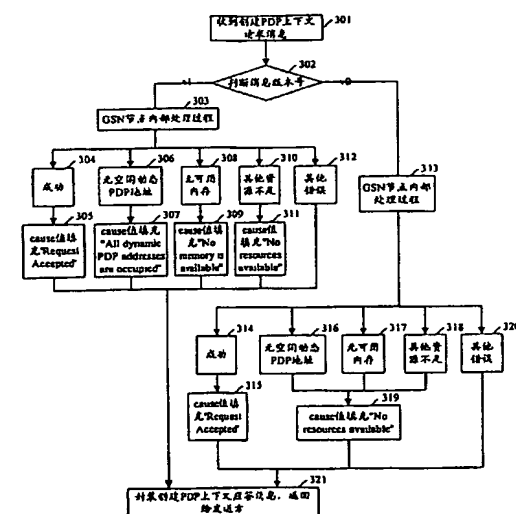
301 RECEIVE A REQUEST MESSAGE TO CREATE THE PDP CONTEXT
302 JUDGE THE MESSAGE VERSION NUMBER
303 THE INTERNAL PROCESSING AT THE GSN NODE
304, 314 REQUEST ACCETPED
305, 315 CAUSE VALUE IS FILLED AS 'REQUEST ACCEPTED'
306 316 ALL DYNAMIC PDP ADDRESSES ARE OCCUPIED
307 CAUSE VALUE IS FILLED AS 'ALL DYNAMIC PDP ADDRESSES ARE OCCUPIED'
308 317 NO MEMORY IS AVAILABLE
309 CAUSE VALUE IS FILLED AS 'NO MEMORY AVAILABLE'
310 318 NO RESOURCES AVAILABLE
311 319 CAUSE VALUE IS FILLED AS 'NO RESOURCES AVAILABLE'
312 320 ELSE ERROR
313 THE INTERNAL PROCESSING AT THE GSN NODE
321 PACKAGE THE RESPONSE MESSAGE TO CREATE PDP CONTEXT AND RETURN IT TO THE SENDER

(57) Abstract: The invention discloses a method for processing a request to create the packet data protocol (PDP) context. The method includes: 1) at the GSN which received the request to create PDP context, storing the different version cause value and the definition to all the cause values; 2) after the GSN received the request to create the PDP context, judging the version number based on the request, and carrying out the internal processing, and according to the process result and the version number of the request to create PDP context, filling in the same version cause value of the response to create PDP context; 3) packaging the response to create PDP context, and returning the response to the request sender. The processing method in the invention prevents the difficult intercommunication question probable appeared in the implementing; enhances the versatility, avoids the waste of the protocol resource; furthermore has the advantage to confirm the problem in practical application and to solve it; and it is no need to change the existing version, and has the high compatibility.

(57) 摘要

　　本发明公开了一种对创建分组数据协议（PDP）上下文请求的处理方法，该方法包括：1）在接收创建 PDP 上下文请求的 GSN 中，保存不同版本的原因（cause）值及其对所有 cause 值的定义；2）GSN 接收到创建 PDP 上下文请求后，根据该请求判断版本号，并进行内部处理，根据处理结果和创建 PDP 上下文请求的版本号，填写相同版本的创建 PDP 上下文应答中的 cause 值；3）封装创建 PDP 上下文应答，并将该应答返回给请求的发送方。本发明的处理方法，避免了实现中可能出现的无法互通的问题，提高了通用性，避免了协议资源的浪费；更有利于实际应用中定位问题和解决问题；对已有的版本不需要作任何改动，兼容性好。